

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319498

Luminaire Tested: LDSQA3D20R209835D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209835D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

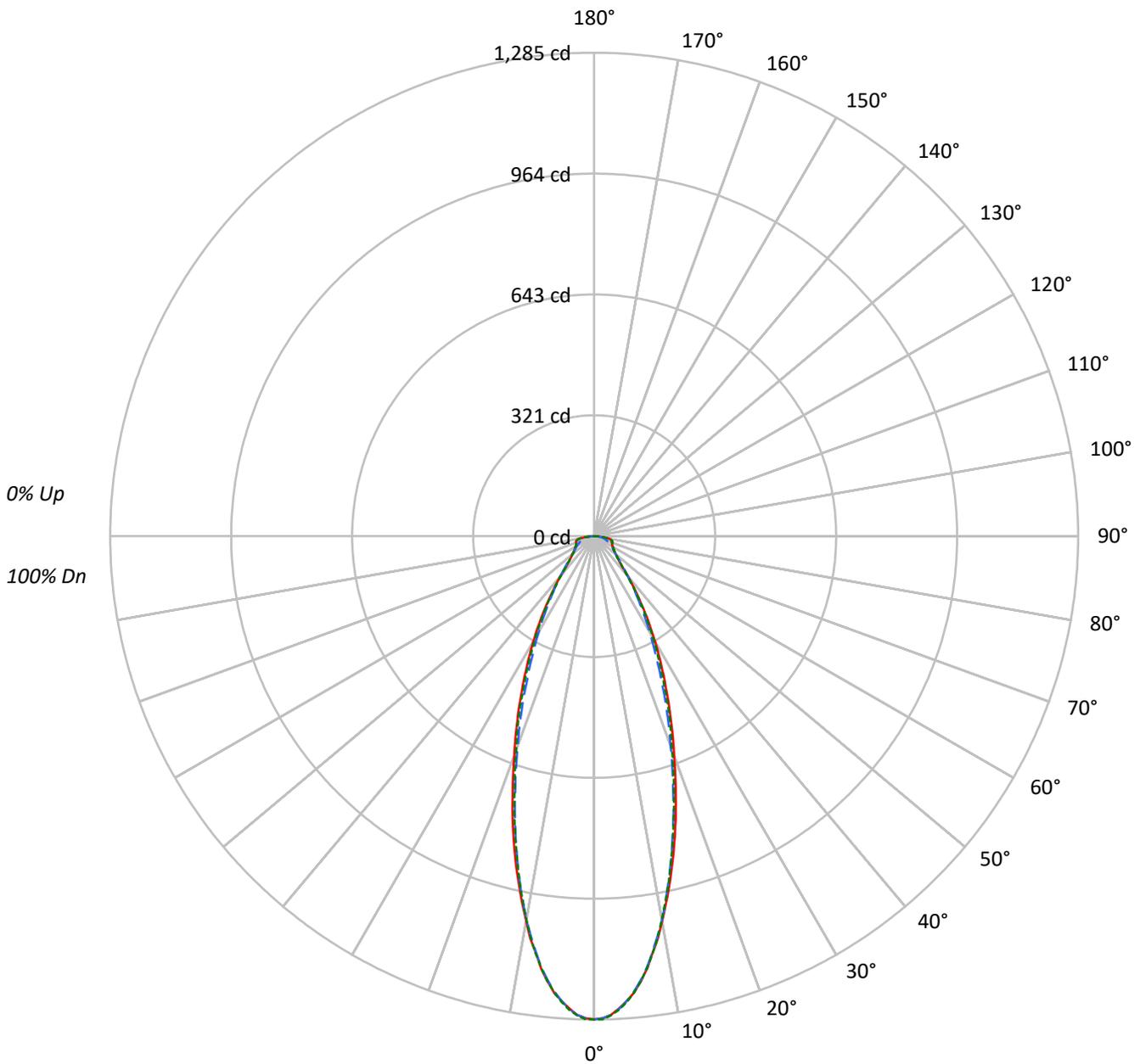
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	221254	221254	221254
5°	210534	209981	210534
10°	181735	181193	180913
15°	147488	144083	144653
20°	113631	108664	110717
25°	86329	79963	83897
30°	64035	58327	62126
35°	45245	42217	44572
40°	31183	31183	30463
45°	22895	24064	22895
50°	20068	20068	20068
55°	19157	18676	19157
60°	19771	18118	19771
65°	21435	18175	21435
70°	25681	18480	25681
75°	32872	20162	32872
80°	41060	20530	39473
85°	31419	18970	34581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 41060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	12.2
10°-20°	225.0	24.8
20°-30°	200.9	22.2
30°-40°	131.8	14.6
40°-50°	76.7	8.5
50°-60°	56.9	6.3
60°-70°	48.1	5.3
70°-80°	39.7	4.4
80°-90°	16.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	536.2	59.2
0°-40°	668.1	73.7
0°-60°	801.7	88.5
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1218	1216	1215	1216	1218	110
15°	827	819	808	810	811	229
25°	454	442	421	432	442	209
35°	215	209	201	207	212	137
45°	94	96	99	96	94	76
55°	64	62	62	62	64	58
65°	53	48	45	48	53	53
75°	49	37	30	37	49	51
85°	16	18	10	18	18	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.7	1284.7	1284.7	1284.7	1284.7
1°	1281.5	1283.1	1281.5	1283.1	1284.7
2°	1273.5	1275.1	1273.5	1273.5	1275.1
3°	1257.6	1259.2	1259.2	1259.2	1260.8
4°	1238.5	1240.1	1238.5	1240.1	1241.7
5°	1217.8	1216.2	1214.6	1216.2	1217.8
6°	1189.1	1187.5	1185.9	1187.5	1189.1
7°	1157.2	1155.6	1154.0	1154.0	1155.6
8°	1117.3	1118.9	1114.2	1117.3	1118.9
9°	1082.3	1079.1	1075.9	1075.9	1079.1
10°	1039.2	1036.1	1036.1	1034.5	1034.5
12.5°	934.0	927.7	922.9	922.9	924.5
15°	827.2	819.3	808.1	809.7	811.3
17.5°	720.5	710.9	696.5	699.7	702.9
20°	620.0	610.5	592.9	599.3	604.1
22.5°	534.0	519.6	503.7	508.5	524.4
25°	454.3	441.5	420.8	432.0	441.5
27.5°	384.1	369.8	352.3	363.4	373.0
30°	322.0	309.2	293.3	302.8	312.4
32.5°	266.2	255.0	243.9	250.2	258.2
35°	215.2	208.8	200.8	207.2	212.0
37.5°	173.7	170.5	167.4	170.5	169.0
40°	138.7	140.3	138.7	138.7	135.5
42.5°	110.0	114.8	116.4	113.2	110.0
45°	94.0	95.6	98.8	95.6	94.0
47.5°	82.9	82.9	84.5	82.9	81.3
50°	74.9	74.9	74.9	74.9	74.9
52.5°	68.5	68.5	66.9	68.5	68.5
55°	63.8	62.2	62.2	62.2	63.8
57.5°	60.6	59.0	57.4	59.0	60.6
60°	57.4	54.2	52.6	54.2	57.4
62.5°	54.2	51.0	49.4	51.0	54.2
65°	52.6	47.8	44.6	47.8	52.6
67.5°	51.0	44.6	41.4	44.6	52.6
70°	51.0	41.4	36.7	43.0	51.0
72.5°	49.4	39.8	33.5	39.8	49.4
75°	49.4	36.7	30.3	36.7	49.4
77.5°	46.2	33.5	25.5	33.5	46.2
80°	41.4	30.3	20.7	30.3	39.8
82.5°	30.3	25.5	15.9	25.5	30.3
85°	15.9	17.5	9.6	17.5	17.5
87.5°	1.6	6.4	3.2	9.6	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)